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CR-142719

TWENTY-SECOND PROGRESS REPORT

on

CALIBRATION AND EVALUATION OF SKYLAB ALTIMETRY FOR
GEODETIC DETERMINATION OF THE GEOID (Contract NAS9-13276,
EPN 440) April 1 to April 30, 1975

to

NASA JOHNSON SPACE CENTER
Principal Investigation Management Office
Houston, Texas 77058

May 14, 1975

NOTE: This report is for the use of the Principal Investigator and the Principal Investigator's Office only. It is not to be distributed outside the Principal Investigator's Office.

A. G. Mourad, Principal Investigator
S. Gopalapillai, M. Kuhner and D. M. Fubara, Co-Investigators

Z. H. Byrns, Code TF6 - NASA/JSC Technical Monitor

(E75-10282) CALIBRATION AND EVALUATION OF
SKYLAB ALTIMETRY FOR GEODETIC DETERMINATION
OF THE GEOID Progress Report, 1 Apr. - 30
Apr. 1975 (Battelle Columbus Labs., Ohio.)
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Columbus Laboratories
505 King Avenue
Columbus, Ohio 43201

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PROGRESS

During this period, we

- (1) Completed the efforts for the application of the collocation technique to filter the remaining EREP passes #4, #6, and #9.
- (2) Completed the studies of correlation of the altimetry geoid profiles with the gravity data and ocean bottom topography.
- (3) Continued preparation of the Final Report which we expect to submit by the end of May, 1975.
- (4) Received the documents from JSC, listed in the attachment.

DATA PROCESSING RESULTS

All data processing results will be included, shortly, in the Final Report.

RECOMMENDATIONS

No new recommendations are made here. All recommendations will be included in the Final Report.

NEXT PERIOD

During the next period, we expect to complete and submit a draft of the Final Report for your review. We also plan to ask for a two-month time extension on the contract to allow for your review and our resubmittal of report.

TRAVEL PLANS

No plans for travel during the next period are anticipated at this time.

REPORTS AND DATA RECEIVED

<u>Title</u>	<u>Identification Number</u>	<u>No. of Copies</u>
(1) Skylab Program Earth Resources Experiment Package Sensor Performance Evaluation Final Report Volume V (S-193 ALT) Contract NAS8-24000 Amendment JSC-14S	MSC-05546	1
(2) Skylab Program Earth Resources Experiment Package Sensor Performance Evaluation Final Report Volume II (S191) Contract NAS8-24000 Amendment JSC-14S	MSC-05546	1